

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 8971-032-27  
First Inventor or Application Identifier David WHITTEN  
Title ASSAYS FOR PROTEASE ENZYME ACTIVITY

17410 U.S. PTO  
10/621311  
07/18/03

**APPLICATION ELEMENTS**  
*See MPEP chapter 600 concerning utility patent application contents*

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)  
(Submit an original and a duplicate for fee processing)  
☐ Applicant claims small entity status.
2. ☒ Specification Total Pages **57**
3. ☒ Drawing(s) (35 U.S.C. 113) Total Sheets **3**
4. ☐ Oath or Declaration Total Pages 
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 C.F.R. §1.63(d))  
(for continuation/divisional with box 16 completed)
5. ☐ Incorporation By Reference (usable if box 4B is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4B, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
PO Box 1450  
Alexandria, VA 22313-1450

**ACCOMPANYING DOCUMENTS**

6. ☐ Assignment Papers (cover sheet & document(s))
7. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
8. ☐ English Translation Document (if applicable)
9. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
10. ☒ Preliminary Amendment
11. ☒ White Advance Serial No. Postcard
12. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
13. ☐ Request for Priority
14. ☒ List of Inventors' Names and Addresses
15. ☒ Other: Sequence Listing, including Disk  
Verified Statement Under 37 CFR 1.821(f)

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no.:

Prior application information: Examiner:

Group Art Unit:

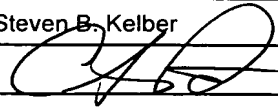
17. Amend the specification by inserting before the first line the sentence:

☐ This application is a ☐ Continuation ☐ Division ☐ Continuation-in-part (CIP)  
of application Serial No. Filed on

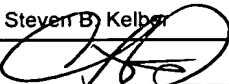
☐ This application claims priority of provisional application Serial No. Filed

**18. CORRESPONDENCE ADDRESS**

Supervisor, Patent Prosecution Services  
PIPER RUDNICK LLP  
1200 Nineteenth Street, N.W.  
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Name	Steven B. Kelber	Registration No.	30,073
Signature		Date	July 18, 2003
Name	Christopher W. Raimund	Registration No.	47,258
		Telephone	202-861-3900

<b>FEE TRANSMITTAL</b>					Docket No.		8971-032-27				
					Serial No.		NEW U.S. PATENT APPLICATION				
					Filing Date		HEREWITH				
					Inventor(s)		David WHITTEN et al.				
					Group Art Unit						
TOTAL AMOUNT OF PAYMENT					\$2,746.00		Examiner				
1. <input type="checkbox"/> Applicant claims small entity status. <input checked="" type="checkbox"/> Charge any <u>UNDERPAYMENT</u> or credit any <u>OVERPAYMENT</u> in the indicated fees to Deposit Account No. 50-1442. <input type="checkbox"/> Charge the indicated fees to Deposit Account No. 50-1442.					<b>FEE CALCULATION (continued)</b>						
					<b>3. ADDITIONAL FEES</b>						
2. <input checked="" type="checkbox"/> Check enclosed.					Large Entity		Small Entity		Fee Description		
					Fee Code	Fee (\$)	Fee Code	Fee (\$)		Fee Paid	
<b>FEE CALCULATION</b>					1051	130	2051	65	Surcharge-late filing fee or oath	130	
<b>1. BASIC FILING FEE</b>					1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet		
Large Entity		Small Entity		Fee Description	1053	130	1053	130	Non-English specification		
Fee Code	Fee (\$)	Fee Code	Fee (\$)		Fee Paid	1812	2520	1812	2520	Ex parte reexam. fee	
1001	750	2001	375	Utility filing fee	750	1251	110	2251	55	1-mo. ext. of time	
1002	330	2002	165	Design filing fee		1252	410	2252	205	2-mo. ext. of time	
1003	520	2003	260	Plant filing fee		1253	930	2253	465	3-mo. ext. of time	
1004	750	2004	375	Reissue filing fee		1254	1450	2254	725	4-mo. ext. of time	
1005	160	2005	80	Provisional filing fee		1255	1970	2255	985	5-mo. ext. of time	
<b>SUBTOTAL (1)</b>					\$750.00	1401	320	2401	160	Notice of Appeal	
<b>2. EXTRA CLAIM FEES</b>						1402	320	2402	160	Appeal Brief	
tot. claims	91	-	20*	= 71	x \$18 =	1278	1403	280	2403	140	Request for Oral Hearing
ind. claims	10	-	3*	= 7	x \$84 =	588	1501	1300	2501	650	Utility/Reissue Issue Fee
<input type="checkbox"/>	Multiple Dependent Claims				\$280 =		1502	470	2502	235	Design Issue Fee
Large Entity		Small Entity		Fee Description		1503	630	2503	315	Plant Issue Fee	
Fee Code	Fee (\$)	Fee Code	Fee (\$)			1460	130	1460	130	Petitions to the Commissioner	
1202	18	2202	9	Claims in excess of 20		1806	180	1806	180	IDS Submission	
1201	84	2201	42	Independent claims in excess of 3		8021	40	8021	40	Assignment	
1203	280	2203	140	Multiple dependent claim, if not paid		1801	750	2801	375	For Filing RCE	
1204	84	2204	42	*Reissue independent claims over original patent		1802	900	1802	900	Expedited Design	
1205	18	2205	9	*Reissue claims in excess of 20 and over original patent		OTHER (indicate below):					
<b>SUBTOTAL (2)</b>					\$1,866.00						
* or number previously paid, if greater; For Reissues, see above						<b>SUBTOTAL (3)</b>				\$130.00	

Name	Steven B. Kelber	Registration No.		30,073	
Signature		Date	July 18, 2003	Telephone	202-861-3900
Name	Christopher W. Raimund	Registration No.		47,258	

DOCKET NO. 8971-032-27

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: David WHITTEN et al. ART UNIT:  
SERIAL NO.: NEW U.S. PATENT APPLICATION EXAMINER:  
FILING DATE: HERewith  
FOR: ASSAYS FOR PROTEASE ENZYME ACTIVITY

**LIST OF INVENTORS' NAMES AND ADDRESSES**

ASSISTANT COMMISSIONER FOR PATENTS  
PO BOX 1450  
ALEXANDRIA, VA 22313-1450

SIR:

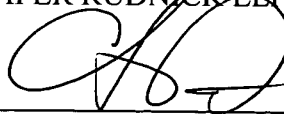
Listed below are the names and addresses of the inventors for the above-identified patent application.

- |   |  |
|---|--|
| 1) David WHITTEN<br>5435 La Colonia Drive NW<br>Albuquerque, NM 87120 | 5) Troy BERGSTEDT<br>6436 Vooscane<br>Cochiti, NM 87083                |
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| 4) Xiaobo SHI<br>979 Tsankawi<br>Los Alamos, NM 87544                 |  |

A declaration containing all the necessary information will be submitted at a later date.

Respectfully submitted,

PIPER RUDNICK LLP



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Registration No. 30,073  
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